

In the Claims:

- 1.- (currently amended) A method for detecting rotation of a rotor of a multiple phase motor with bipolar drive, the motor comprising at least a first and a second energizable motor stator winding, the method comprising sequentially and alternately sensing a voltage on the first and the second motor stator winding at or near the end of a period of a non-energized state thereof,
wherein the method furthermore comprises storing sensed voltage values in a memory device.
- 2.- (currently amended) A method according to claim 1, wherein the sensing of the voltage on the first ~~respectively second~~ motor stator winding is carried out during energizing of the second ~~respectively first~~ motor stator winding, and wherein the sensing of the voltage on the second motor stator winding is carried out during energizing of the first motor stator winding.
- 3.- (previously presented) A method according to claim 1, wherein the sensing has a fixed or adjustable relative position in a non-energized state time-window.
- 4.- (cancelled)
- 5.- (currently amended) A method according to claim ~~[[4]]~~ 1, furthermore comprising sensing multiple voltage samples, and storing the multiple samples in the memory device.
- 6.- (original) A method according to claim 1, wherein the motor is driven in microstepping operation.
- 7.- (original) A method according to claim 1, wherein the voltage is a back EMF.

- 8.- (original) A method according to claim 1, furthermore comprising outputting a detection signal indicative of a stalled condition of the motor.
- 9.- (original) A method according to claim 1, furthermore comprising outputting a detection signal indicative of a rotation of the motor rotor or derivatives thereof versus time.
- 10.- (previously presented) A method according to claim 1, where for sensing the voltage a unipolar signal is measured across one non-energized motor stator winding by connecting one terminal of the motor stator winding to a fixed or reference potential while measuring the voltage at an other terminal of that non-energized motor stator winding.
- 11.- (original) A method according to claim 1 excluding a three-phase motor with bipolar drive with star connected coils.
- 12.- (currently amended) An apparatus for detecting rotation of a rotor of a multiple phase motor with bipolar drive, the motor comprising at least a first and a second energizable motor stator winding, the apparatus comprising means for sequentially and alternately sensing a back electromagnetic force on the first and the second motor stator winding at or near the end of a period of a non-energized state thereof,
wherein the apparatus furthermore comprises means for storing sensed voltage values.
- 13.- (original) An apparatus according to claim 12, excluding a three-phase motor with bipolar drive with star connected coils.
- 14.- (currently amended) An apparatus according to claim 12, wherein the means for sequentially and alternately sensing has means for sensing of a voltage on the first ~~respectively second~~ motor stator winding during energizing of the second ~~respectively second~~ motor stator winding and means for sensing of a

voltage on the second motor stator winding during energizing of the first motor stator winding.

- 15.- (previously presented) An apparatus according to claim 12, wherein the means for sequentially and alternately sensing has a fixed or adjustable relative position in a non-energized state time-window.
- 16.- (cancelled) .
- 17.- (previously presented) An apparatus according to claim 12, wherein the means for sensing has means for sensing multiple voltage samples, further comprising means for storing the multiple samples.
- 18.- (original) An apparatus according to claim 12, furthermore comprising means for outputting a detection signal indicative of a stalled condition of the motor.
- 19.- (original) An apparatus according to claim 12, furthermore comprising means for outputting a detection signal indicative of a rotation of the motor rotor or derivatives thereof versus time.
- 20.- (previously presented) An apparatus according to claim 12, further comprising means for sensing a unipolar signal across one non-energized motor stator winding by connecting one terminal of the motor stator winding to a fixed or reference potential while measuring the voltage at an other terminal of that non-energized motor stator winding.